From: Araujo, Rochelle
Location: D349
Importance: Normal
Subject: Curation and Integration of Exposure Science Data in CTD - Webcast and Discussion
Start Date/Time: Wed 10/28/2015 3:00:00 PM
End Date/Time: Wed 10/28/2015 5:00:00 PM
Wild Exposome Concept to Utility 2011.pdf
exposome-newsletter-final1.pdf
indiv-exposomeCS4-071.pdf

As part of NERL's ongoing efforts to drag Exposure Science kicking and screaming into the 21st century (or- is it the other way around?), NERL-RTP has reserved D349 for joint viewing of the NIEHS Webcast with additional NERL Discussion to follow. We've attached three articles that outline the concept of exposome and some approaches for implementing the concept, as the basis for discussing the speaker's approach to sourcing and integrating exposure science data. We hope you will join us.

Please feel free to bring your lunch (try to keep crinkly wrappers and crunchy chips to a minimum!)

Curation and Integration of Exposure Science Data in CTD

Speaker: Carolyn Mattingly, PhD, North Carolina State University
Date: Wednesday, October 28, 2015
Time: 11:00 AM - 12:30 PM EDT
Register to watch the live webcast of the webinar

Abstract:
Exposure science studies the interactions and outcomes between environmental stressors and human or ecological receptors. To augment its role in understanding human health and the exposome, we aimed to centralize and integrate exposure science data into the broader biological framework of the Comparative Toxicogenomics Database (CTD; http://ctdbase.org/ http://ctdbase.org/), a public resource that promotes understanding of environmental chemicals and their effects on human health. With input from the exposure science community, we developed a manual curation paradigm that captures exposure data from the scientific literature within the context of four primary exposure concepts: stressor, receptor, event, and outcome. This presentation will describe the CTD exposure curation process, demonstrate how exposure data can be accessed and analyzed in CTD, and show how this integration provides both a broader biological context for exposure data while also grounding existing CTD data within a "real world" context.

Accommodations for Disabilities
Individuals with disabilities who need accommodation to participate in this webinar should contact Yuxia Cui at voice telephone: 919-316-4756 or email: cuiy2@niehs.nih.gov. TTY users should contact the Federal TTY Relay Service at 800-877-8339. Requests should be made at least 5 days in advance of the event.